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SYSTEM FOR RENDERING DATA ON LOCATION OF OBJECT(S) (VARIANTS)

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... The technical result of the claimed system is to provide the possibility to render data on a location (position) of an object in the speech form and/or the text form, for example, by reporting an address in a settlement, by insonifying it or displaying an address text on a screen, which makes it possible to exclude or not use a monitor, and to use conventional radio telephones or other communication means having portable screens as reception means.

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... The system of the first embodiment comprises (Fig. 1) a navigation GPS system 10 and a system 6 for rendering data on a location of object(s), comprising an object coordinate signal(s) receiver 2 connected to a received data-to-speech and/or text signal converter 3 and designed to transmit data on a location of an object into a speech and/or text form and/or an image to a transmitter 5 for transmitting data to a user receiver 1.

The user receiver 1 is connected to a speech (audio) signal reproduction unit 4 and a display unit 7 for reproducing text information and/or displaying graphic information about an address or location coordinates on the display screen of this unit.

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... However, there are situation when it is not necessary to determine coordinates themselves because a user can be interested not in coordinates but an address of an object at a place, for example, a street and a house number the user's car passes by at the present moment. In other words, there is a situation when a user is informed of an address in a settlement, wherein the user is not interested in coordinates of the object.

Thus, the problem of the claimed system is to receive object location data from the navigation system 10 by the system receiver 2 or the receiver 1 and to convert the data into an object address at a given place in the converter 3. At the same time, the converter 3 can comprise a memory unit wherein addresses of a certain place are stored according to coordinates in a geodesic coordinate system. In this case, when the coordinate data is received in accordance with both the first and second embodiment by the receiver (2 or 1), it arrives at the memory unit (not shown in the drawing) of the converter 3 which extracts data

from an address memory depending upon coordinates and transmits it to a conversion member (not shown in the drawing) of the converter 3 for conversion of this data into audio (speech) or text signals and/or image signals. The signals arrive at the sound reproduction unit 4 in the form of an audio message and/or at the display unit 7 (the mobile telephone display) for displaying a text or an image containing the object location address. Modern mobile telephones are capable to insonify messages and to display text information, for example, in the SMS format, and so on. An audio signal is insonified, for example, in a mobile telephone concurrently therewith or only an address text or a map fragment is displayed on the display. Said data in the mobile telephone (that is, in the user's terminal) can be submitted to the user both separately and in any combinations.

In case if the system 6 is stationary, the arrived data is converted into an address by an operator who determines an address from coordinates, insonifies and transmits it via the transmitter 5 to the user's receiver 1. The signal from the receiver 1 arrives at the sound reproduction unit 4 and/or the display unit 7. An address message in the form of the text information is reproduced on the display screen. The message can be a fragment of a place image with indication of an object location at a map fragment. In this case a fragment of the memory image, corresponding to object coordinates, is extracted in the converter 3 from the memory unit (not shown in the drawing), or the operator finds this fragment on a visually reproduced map of the place from coordinates received in the receiver 2, extracts this fragment in the form of a data file and sends it via the transmitter 5 to the receiver 1 connected to the display unit 7 where said fail is reproduced.